

SEQUENCE LISTING

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Hamon, Christian

<120> MICROELECTRONIC MOLECULAR DESCRIPTOR ARRAY DEVICES, METHODS,
PROCEDURES, AND FORMATS FOR COMBINATORIAL SELECTION OF INTERMOLECULAR
LIGAND BINDING STRUCTURES AND FOR DRUG SCREENING

<130> Patrick Eagleman: Nanogen 241/172

<140> 09/374,338

<141> 1999-08-13

<160> 31

<170> PatentIn version 3.0

<210> 1

<211> 7

<212> DNA

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<222> (1)..(7)

<223> Entire sequence is Pyranosyl RNA

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<222> (1)..(1)

<223> Base 1 is tryptamine

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<222> (7)..(7)

<223> Base 7 is modified with Texas Red

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ngaaggg

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<222> (8)..(8)
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14

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<222> (1)..(1)
<223> Base 1 is modified with Cyanine-3 flourescent dye

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<222> (7)..(7)
<223> Base 7 is tryptamine

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<222> (4)..(4)
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<223> Base 5 is tryptamine

e/ <400> 4
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<222> (1)..(1)
<223> Base 1 modified with Fluorophore

<220>
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<222> (7)..(7)
<223> Base 7 modified with a Peptide

<220>
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<223> Base 7 is tryptamine

<400> 5
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7

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<222> (1)..(8)
<223> Entire sequence is Pyranosyl RNA

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<222> (1)..(1)
<223> Base 1 modified with a Peptide

E1
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<222> (1)..(1)
<223> Base 1 is tryptamine

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<222> (8)..(8)
<223> Base 8 is any nucleotide

<400> 6
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8

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<223> Entire sequence is Pyranosyl RNA

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<222> (1)..(1)
<223> Base 1 modified with Biotin

<220>
<221> modified_base
<222> (7)..(7)
<223> Base 7 is tryptamine

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<222> (7)..(8)
<223> Bases 7 and 8 are modified by Peptide connection.

<400> 7
cccttcntcc cccg

14

e1
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<222> (1)..(1)
<223> 1st amino acid is modified with pyranosyl RNA

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Cys Leu Ser Leu Glu Gly
1 5

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<223> 1st amino acid is modified with pyranosyl RNA

<400> 9

Cys Ser Leu Glu Ser Gly
1 5

<210> 10

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<221> PEPTIDE

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<223> 1st amino acid is modified with pyranosyl RNA

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Cys Leu Leu Ser Glu Gly
1 5

<210> 11

<211> 6

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<221> PEPTIDE

<222> (1)..(1)

<223> 1st amino acid is modified with pyranosyl RNA

<400> 11

Cys Ser Arg Ser Arg Gly
1 5

<210> 12

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<223> 1st amino acid is modified with pyranosyl RNA

<400> 12

Cys Ser Arg His Arg Gly
1 5

<210> 13

<211> 6

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<223> 1st amino acid is pyranosyl RNA

<400> 13

Cys His Arg Tyr Arg Gly
1 5

<210> 14

<211> 6

<212> DNA

<213> Artificial Sequence

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<222> (1)..(6)

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cccggg

6

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<222> (4)..(4)

<223> Base 4 is tryptamine

<400> 15

cccnggg

7

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<223> Entire sequence is pyranosyl RNA

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<221> Modified_base

<222> (4)..(4)

<223> Base 4 is tryptamine

<220>

<221> Modified_base

<222> (5)..(5)

<223> Base 5 is tryptamine

<400> 16

cccnggg

8

<210> 17

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<222> (1)..(8)

<223> Entire sequence is pyranosyl RNA

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<223> Base 3 is tryptamine

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<222> (6)..(6)
<223> Base 6 is tryptamine

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8

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<223> Base 2 is tryptamine

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<222> (4)..(4)
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<222> (6)..(6)
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cncngng

7

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<222> (1)..(8)

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<222> (4)..(4)

<223> Base 4 is tryptamine

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<221> modified_base

<222> (5)..(5)

<223> Base 5 is tryptamine

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<221> modified_base

<222> (4)..(5)

<223> Base 4 and 5 is modified by thioester linkage to Seq. ID No. 20

<400> 19

cccnnggg

8

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Cys Phe Pro Tyr Trp Gly

1

5

<210> 21

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21

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<400> 22
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6

<210> 23
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<223> Base 6 is tryptamine

<400> 23
ccttcncccc c

11

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<400> 24

Cys His His His His Gly
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<210> 25
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<212> PRT
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Cys Phe Pro Ser Phe Gly
1 5

<210> 26
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<222> (7)..(7)
<223> Base 7 is modified with Cyanine3

<220>
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<223> Base 7 is tryptamine

<400> 26
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<210> 27
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<223> Entire sequence is pyranosyl RNA

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<223> Base 1 is modified with Biotin

<220>
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81
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11

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<223> Base 1 is tryptamine

<220>
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<223> Base 1 is modified with Biotin

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9

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<223> Entire sequence is pyranosyl RNA

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<223> Base 1 is modified with Biotin

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8

e1

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<223> Base 7 is tryptamine

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8

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<220>
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<222> (2)..(2)
<223> Base 2 is tryptamine

<400> 31
antgccta

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